

2 Way-0° Power Splitter/Combiner

SCN-2-19

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.54	3.56	0.02	0.07	3.59	2.01	1.98	1.96
50	3.54	3.54	0.00	0.03	3.65	2.01	1.95	1.94
100	3.55	3.55	0.00	0.09	3.85	2.00	1.91	1.90
500	3.56	3.51	0.05	0.37	7.47	1.90	1.42	1.41
750	3.52	3.47	0.05	0.27	10.01	1.79	1.24	1.23
800	3.51	3.45	0.06	0.22	10.53	1.77	1.22	1.21
875	3.48	3.44	0.04	0.19	11.32	1.73	1.19	1.18
900	3.47	3.43	0.04	0.18	11.59	1.72	1.18	1.18
1000	3.45	3.42	0.03	0.21	12.71	1.67	1.16	1.15
1100	3.41	3.39	0.02	0.17	13.96	1.61	1.15	1.14
1200	3.38	3.37	0.01	0.14	15.36	1.55	1.15	1.14
1400	3.30	3.34	0.04	0.04	19.18	1.42	1.17	1.16
1425	3.29	3.34	0.05	0.01	19.81	1.40	1.17	1.16
1450	3.27	3.33	0.06	0.02	20.49	1.38	1.17	1.16
1500	3.25	3.32	0.07	0.07	22.03	1.35	1.18	1.17
1525	3.24	3.33	0.09	0.05	22.92	1.33	1.18	1.17
1550	3.23	3.32	0.09	0.03	23.91	1.31	1.19	1.18
1600	3.21	3.32	0.11	0.04	26.32	1.27	1.19	1.18
1650	3.19	3.31	0.12	0.07	29.18	1.23	1.20	1.19
1700	3.17	3.32	0.15	0.11	31.77	1.19	1.20	1.20
1750	3.16	3.32	0.16	0.13	31.09	1.15	1.21	1.20
1800	3.14	3.32	0.18	0.12	28.01	1.10	1.21	1.21
1900	3.12	3.35	0.23	0.14	22.52	1.03	1.22	1.21
2000	3.11	3.39	0.28	0.21	18.75	1.07	1.22	1.21
2100	3.12	3.45	0.33	0.28	15.93	1.18	1.21	1.21
2200	3.15	3.55	0.40	0.39	13.70	1.30	1.20	1.21

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

SCN-2-19

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -55°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.53	3.55	0.02	0.01	3.56	2.01	1.99	1.97
50	3.55	3.51	0.04	0.17	3.60	2.02	1.97	1.93
100	3.51	3.54	0.03	0.56	3.84	2.00	1.91	1.93
500	3.51	3.45	0.06	1.03	7.42	1.90	1.44	1.44
750	3.45	3.38	0.07	1.84	9.91	1.80	1.25	1.25
800	3.44	3.37	0.07	2.00	10.43	1.77	1.23	1.22
875	3.41	3.35	0.06	2.33	11.20	1.74	1.20	1.20
900	3.40	3.34	0.06	2.40	11.47	1.72	1.19	1.19
1000	3.36	3.31	0.05	2.63	12.59	1.67	1.16	1.16
1100	3.32	3.29	0.03	2.94	13.80	1.61	1.15	1.14
1200	3.28	3.25	0.03	3.28	15.20	1.55	1.14	1.13
1400	3.20	3.21	0.01	3.98	18.75	1.42	1.16	1.13
1425	3.19	3.21	0.02	4.10	19.36	1.40	1.16	1.14
1450	3.17	3.20	0.03	4.19	19.99	1.38	1.17	1.14
1500	3.15	3.19	0.04	4.27	21.34	1.35	1.18	1.15
1525	3.14	3.19	0.05	4.37	22.10	1.34	1.18	1.15
1550	3.13	3.19	0.06	4.47	22.96	1.32	1.19	1.16
1600	3.11	3.18	0.07	4.64	25.19	1.28	1.19	1.16
1650	3.09	3.17	0.08	4.75	27.98	1.24	1.20	1.18
1700	3.06	3.17	0.11	4.88	30.89	1.20	1.20	1.18
1750	3.05	3.17	0.12	5.03	31.52	1.16	1.21	1.19
1800	3.03	3.17	0.14	5.19	29.11	1.13	1.22	1.20
1900	3.01	3.19	0.18	5.56	23.32	1.06	1.23	1.22
2000	2.98	3.22	0.24	5.86	19.32	1.06	1.23	1.23
2100	2.97	3.27	0.30	6.13	16.30	1.15	1.22	1.23
2200	2.98	3.36	0.38	6.45	13.95	1.26	1.21	1.25

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

2 Way-0° Power Splitter/Combiner

SCN-2-19

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +100°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.54	3.57	0.03	0.12	3.61	2.00	1.97	1.96
50	3.51	3.57	0.06	0.30	3.69	2.00	1.94	1.96
100	3.58	3.55	0.03	1.04	3.86	2.00	1.91	1.89
500	3.59	3.54	0.05	2.25	7.45	1.90	1.38	1.38
750	3.56	3.50	0.06	3.24	10.06	1.80	1.22	1.20
800	3.55	3.49	0.06	3.40	10.60	1.78	1.20	1.18
875	3.53	3.48	0.05	3.61	11.42	1.74	1.18	1.16
900	3.53	3.48	0.05	3.68	11.70	1.73	1.17	1.16
1000	3.50	3.46	0.04	4.04	12.88	1.67	1.16	1.15
1100	3.47	3.44	0.03	4.41	14.21	1.61	1.15	1.15
1200	3.43	3.43	0.00	4.77	15.70	1.55	1.16	1.16
1400	3.35	3.41	0.06	5.48	19.79	1.42	1.17	1.19
1425	3.34	3.40	0.06	5.55	20.48	1.40	1.18	1.20
1450	3.33	3.40	0.07	5.65	21.23	1.38	1.18	1.20
1500	3.31	3.40	0.09	5.87	22.93	1.34	1.18	1.21
1525	3.30	3.40	0.10	5.97	23.92	1.32	1.19	1.21
1550	3.29	3.40	0.11	6.06	25.07	1.30	1.19	1.21
1600	3.27	3.39	0.12	6.25	27.86	1.25	1.19	1.22
1650	3.25	3.39	0.14	6.49	30.98	1.21	1.19	1.22
1700	3.23	3.40	0.17	6.74	32.46	1.17	1.20	1.23
1750	3.22	3.41	0.19	7.00	29.92	1.13	1.20	1.23
1800	3.21	3.42	0.21	7.21	26.60	1.08	1.20	1.23
1900	3.19	3.45	0.26	7.72	21.50	1.01	1.20	1.24
2000	3.19	3.51	0.32	8.29	18.04	1.11	1.20	1.23
2100	3.22	3.59	0.37	8.89	15.42	1.23	1.19	1.23
2200	3.28	3.71	0.43	9.49	13.29	1.37	1.17	1.23

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss